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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/663,968	09/16/2003	Jae-Goo Lee	5649-835DV	2666	
759	90 04/08/2004		EXAMINER		
D. Scott Moore			POTTER, ROY KARL		
Myers Bigel Sib	ley & Sajovec				
Post Office Box 37428			ART UNIT	PAPER NUMBER	
Raleigh, NC 27627			2822		
			DATE MAILED, 04/09/200	DATE MAILED: 04/09/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	li			
		10/663,968	LEE ET AL.	/			
Office Action Summary		Examiner	Art Unit				
		Roy K Potter	2822				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence ad	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)□	Responsive to communication(s) filed on						
2a)□	This action is FINAL . 2b)⊠ This	action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□							
Applicat	ion Papers						
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)□	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
	et(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	4)	(PTO-413) ate				
3) 🛛 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date 9/16/2003.	5) Notice of Informal F 6) Other:		O-152)			

Application/Control Number: 10/663,968

Art Unit: 2822

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 17 – 18 and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Spratt et al..

Spratt et al., U.S. Patent No.4,897,703, discloses a recessed contact bipolar transistor. As shown in Figure 9, polysilicon interconnect 22 has sidewalls and is disposed on a substrate 10. A composite insulation layer comprises a first material 18 and a second material 19. These materials are disposed on the sidewalls such that the first material 128 is disposed in an upper sidewall region and the second material 19 is disposed in a lower sidewall region. S shown, the first material is thicker than the second material. Substrate 10 is described as a semiconductor material in column 4, line 13.

Allowable Subject Matter

Claims 19-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy K Potter whose telephone number is 571 272 1842. The examiner can normally be reached on M-F.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roy K Potter Primary Examiner Art Unit 2822